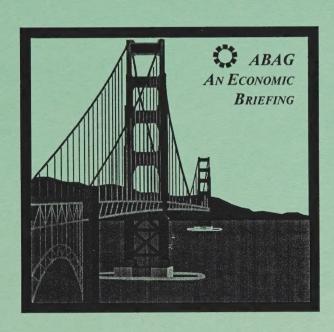
THE RETURN OF OPTIMISM?



REGIONAL ECONOMIC OUTLOOK: 1997 & 1998

January 29, 1997 MetroCenter Auditorium, Oakland 8:30 a.m. - 12 noon

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ABAG Special Conference:

The Return of Optimism?

A Regional Economic Outlook: 1997 and 1998

January 29, 1997

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AN ECONOMIC CONFERENCE: THE ASSOCIATION OF BAY AREA GOVERNMENTS

THE RETURN OF OPTIMISM? A REGIONAL ECONOMIC OUTLOOK: 1997 AND 1998

Wednesday, January 29, 1997 8:30 a.m. - 12 noon Auditorium Joseph P. Bort MetroCenter 101 Eighth Street at Oak Oakland, California

8:30 a.m.	REGISTRATION AND COFFEE	
9:00 а.м.	Welcome and Overview	
9:10 а.м.	CALIFORNIA'S OUTLOOK: THE TRILLION DOLLAR ECONOMY? SOLID GROUNDS FOR OPTIMISM THE INFORMATION ECONOMY: ALL ABOARD THE CAL EXPRESS A SILVER LINING FOR RESTRUCTURING INDUSTRIES?	TED GIBSON CHIEF ECONOMIST, STATE DEPT. OF FINANCE
9:50 a.m.	BAY AREA: ECONOMIC LEADER? WHERE IS GROWTH LIKELY TO OCCUR? WHAT SORT OF JOBS CAN WE EXPECT? HOW LONG WILL THE GROWTH CONTINUE?	Paul Fassinger Research Director, ABAG
10:45 а.м.	SHORT-TERM FORECASTS TAXABLE SALES: HAS CONSUMER CONFIDENCE BEEN RESTORED? COUNTY FORECASTS: LOCAL STRENGTHS AND WEAKNESSES	Dan Stone Regional Planner, ABAG
11:20 а.м.	THE RENTAL CRUNCH WHO'S TO BLAME AND WHO'S TO FIX IT? IMPLICATIONS FOR THE BUILDING INDUSTRY	Bradley Inman Syndicated Real Estate Columnist
11:45 а.м.	QUESTIONS AND ANSWERS	

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California '97: Another Year of Solid Growth

Reaching the Trillion Dollar Milestone

Ted Gibson Chief Economist, California State Dept. of Finance

atijornia '97: Amonier Year of Solid Growth

Reaching the Trillion Dollar Micstone

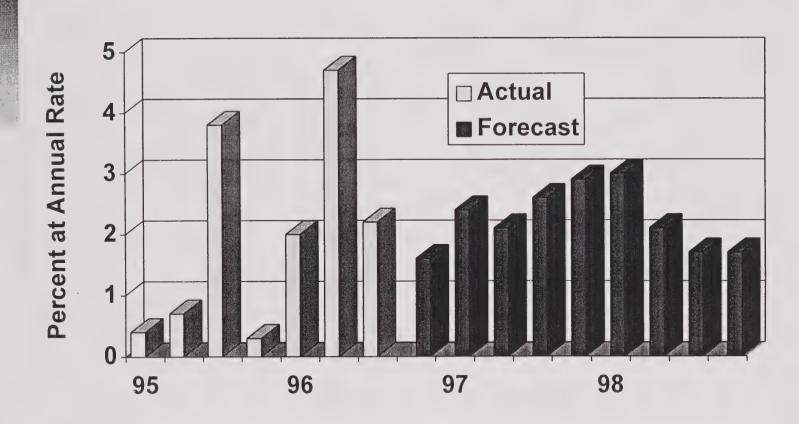
Ted Ghson Ghirt Economist, California State Dept. of Primite

National Backdrop

- Moderate expansion to continue
- ☑ Slow pace produces few imbalances or excesses
- ☑ Slight worries over household debt, tight labor markets, possible wage pressure
- ☑ Are we underestimating economic growth?

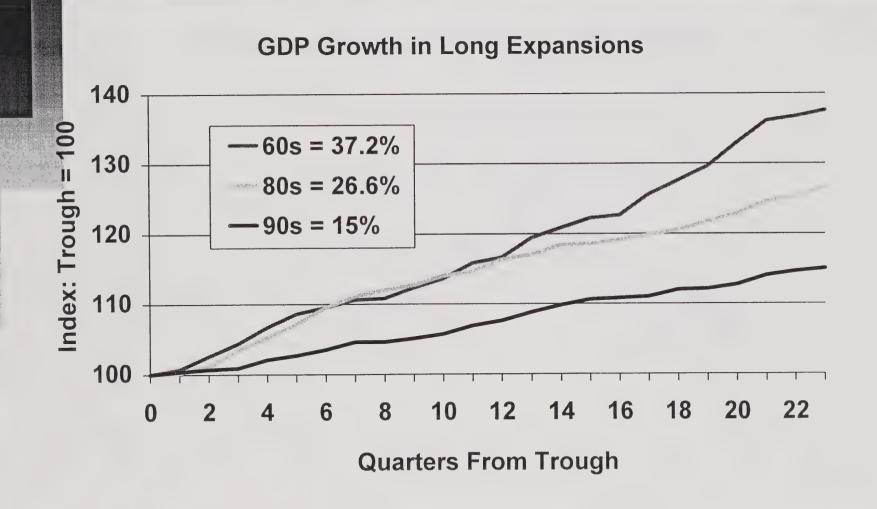
Real GDP Growth to Continue at 2 to 2-1/2 Percent Pace

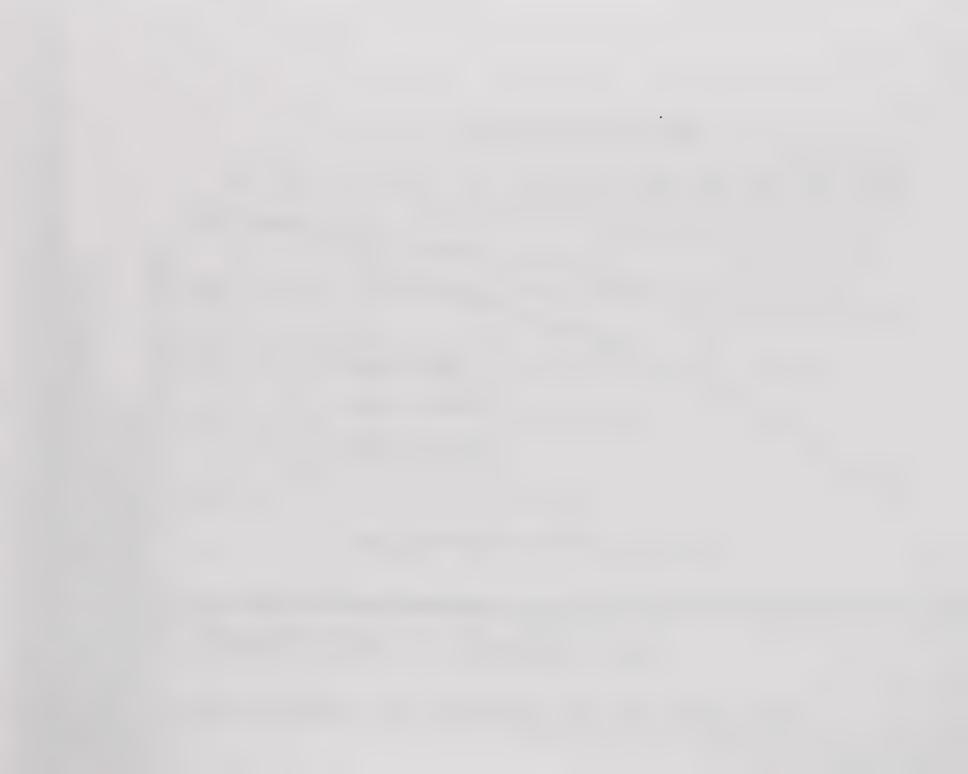






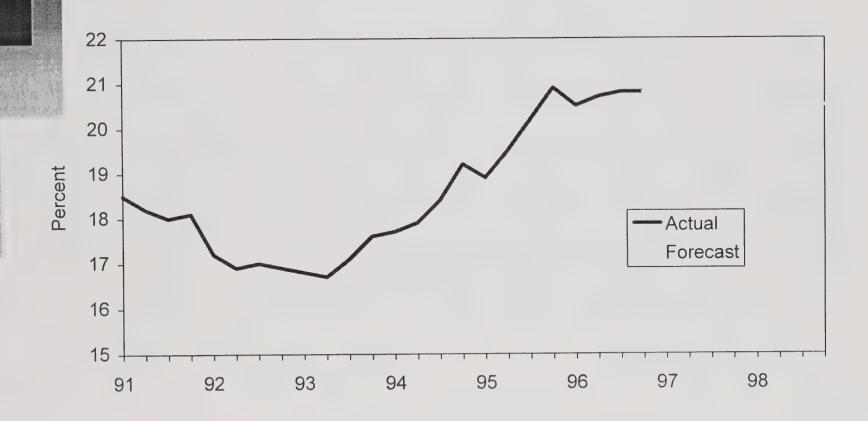
Slow pace is contributing to expansion's longevity

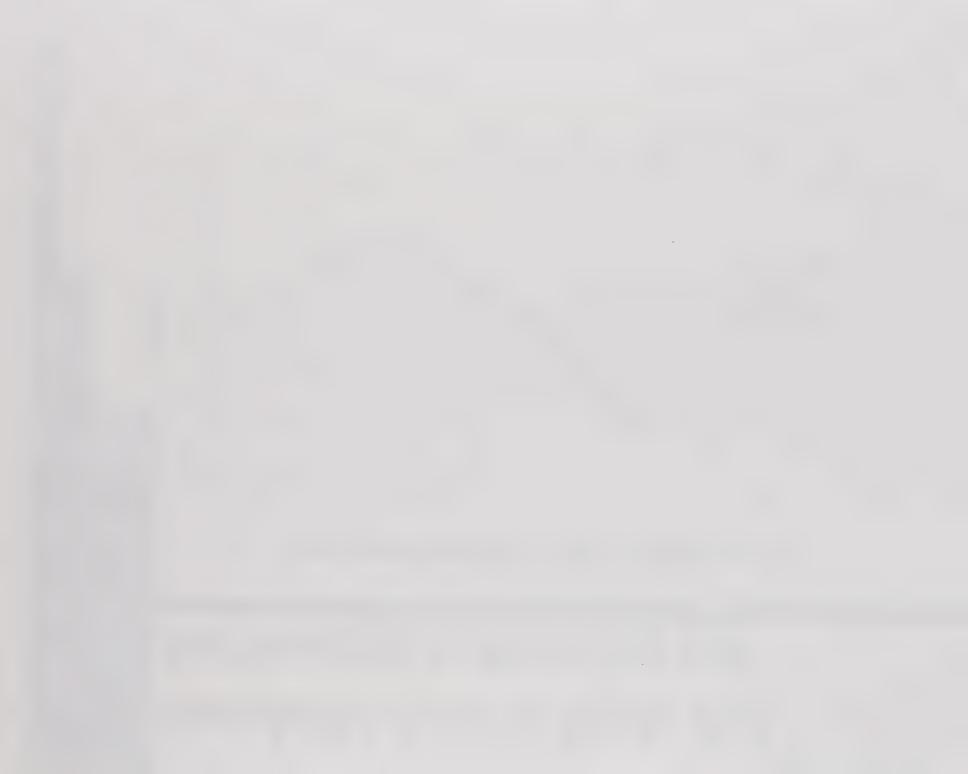




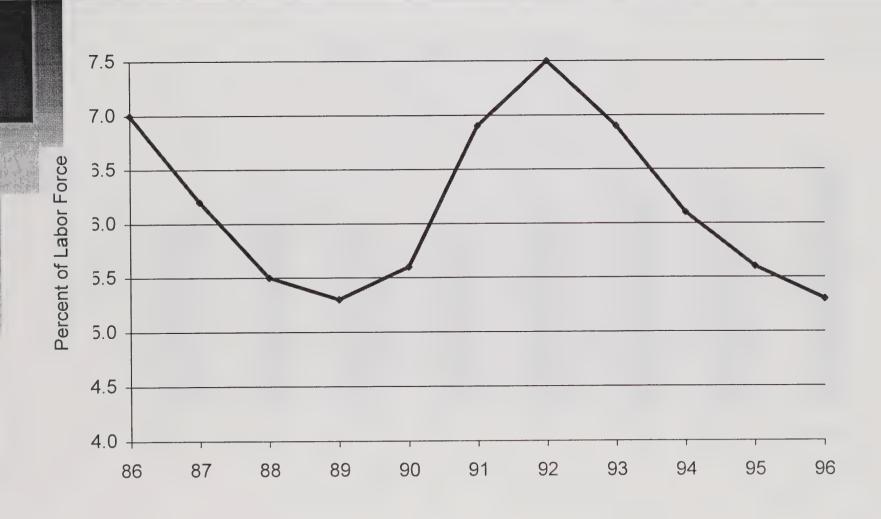
Household debt is high, but borrowing is leveling off





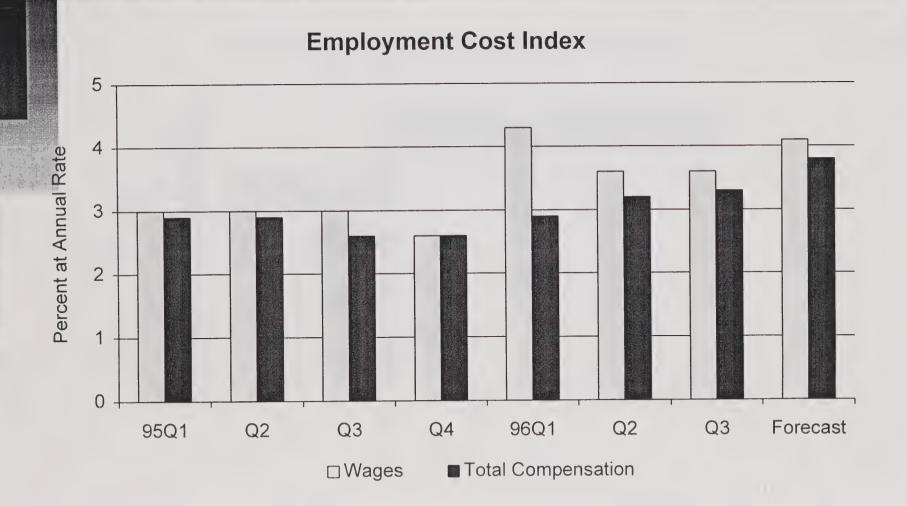


Inflation worries: Unemployment Rate is at 6-year low



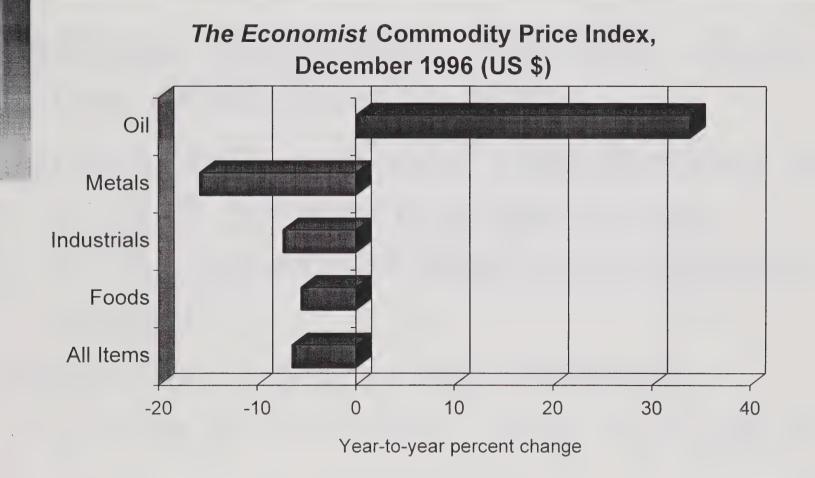


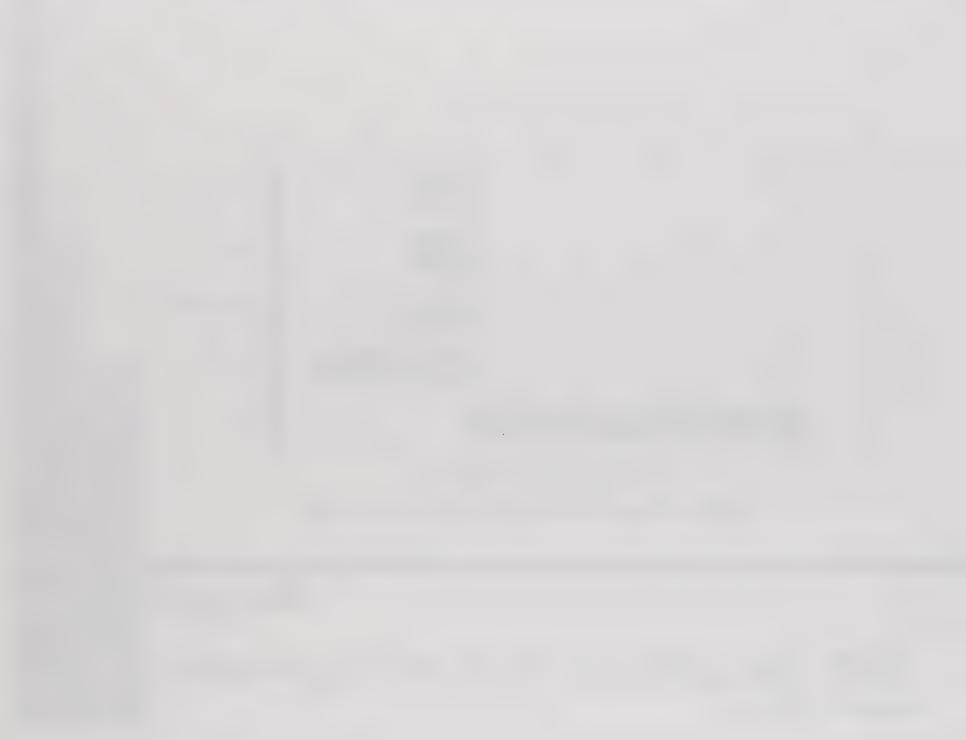
Employment costs remain low. . . but are wages on the rise?





Commodity prices, except oil, are falling





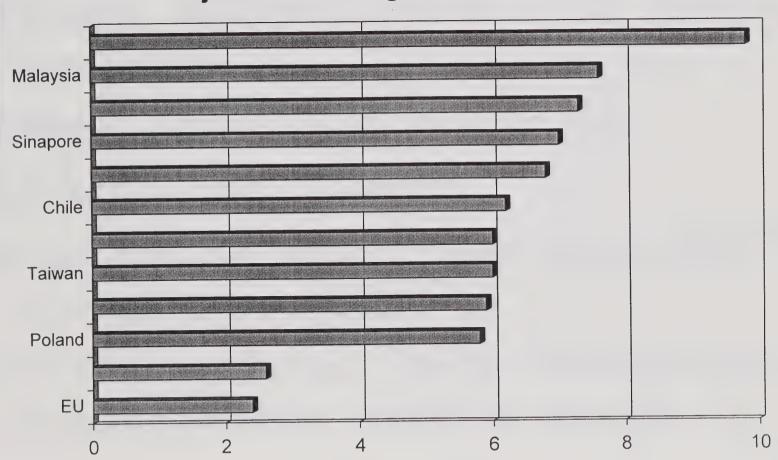
Is US Economic Growth Understated?

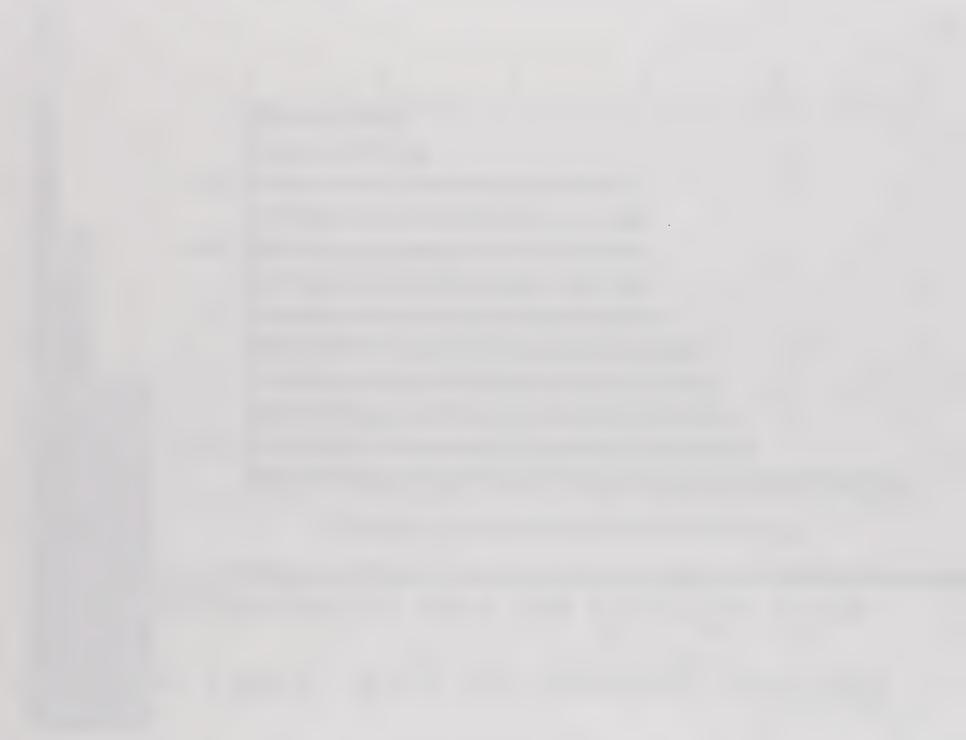
- Boskin Commission: If inflation is less, then growth must be higher
- ☑ Productivity anomaly: Manufacturing up 3-1/2 %, but total business up only 0.3%—big drop in services productivity implied.
- ☑ Income vs. output gap: Suddenly, income is \$100 billion more than output.



In 1997, 8 of 10 leading growth economies are on Pacific Rim





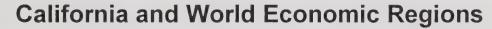


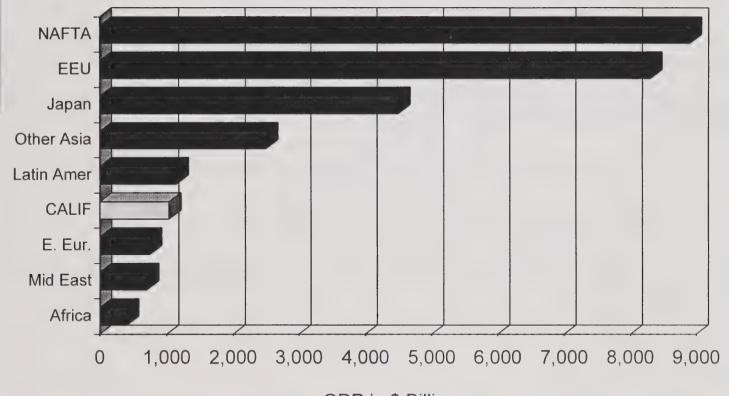
Favorable Environment for California

- Steady, moderate growth in US, Europe and Japan
- Rapid growth on the Pacific Rim
- MA turnaround in Mexico
- ☑ Low inflation should mean reasonably stable interest rates
- ☑ State Government Policy Initiatives are helping promote economic growth



Context of a Trillion Dollar Economy

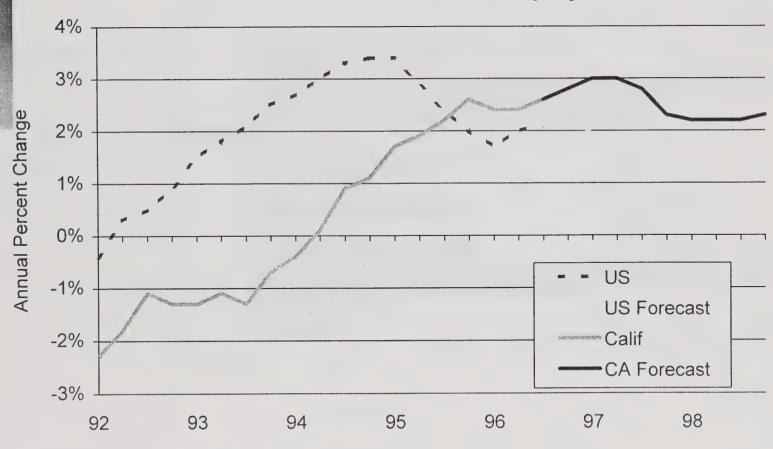






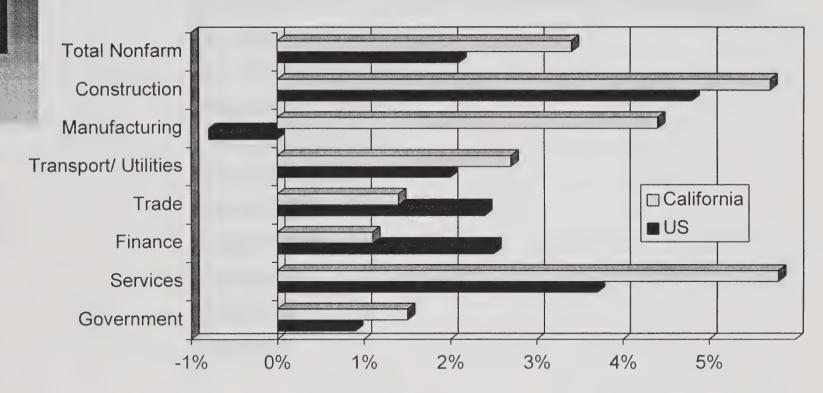
California is again outpacing US economic growth





Manufacturing, Construction and High-Tech Services lead the way

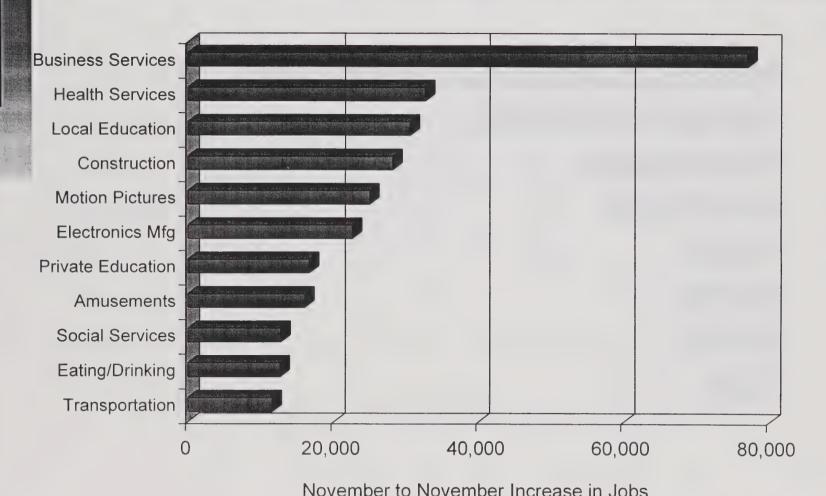
Nonfarm Employment, California and US



November to November % Change

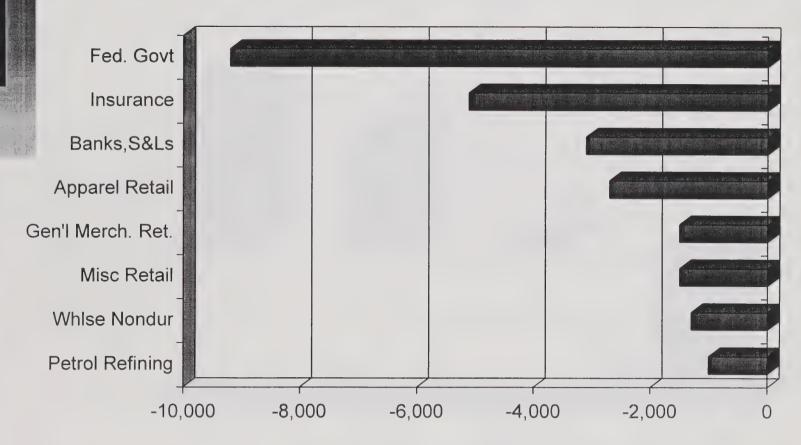


What's Up? California's Leading Growth Industries

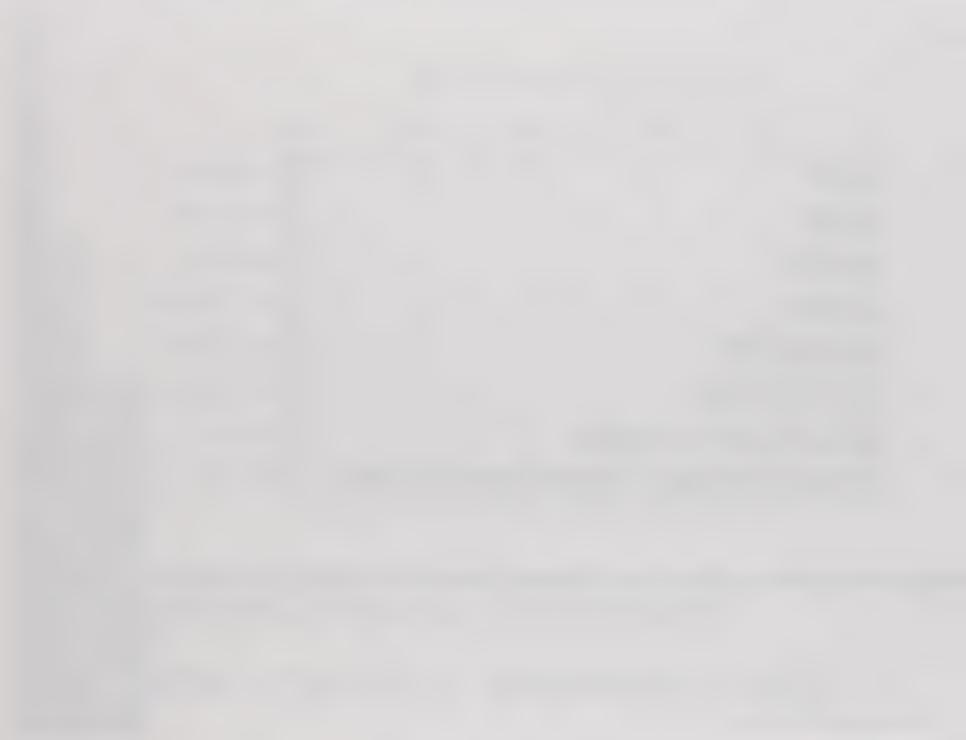




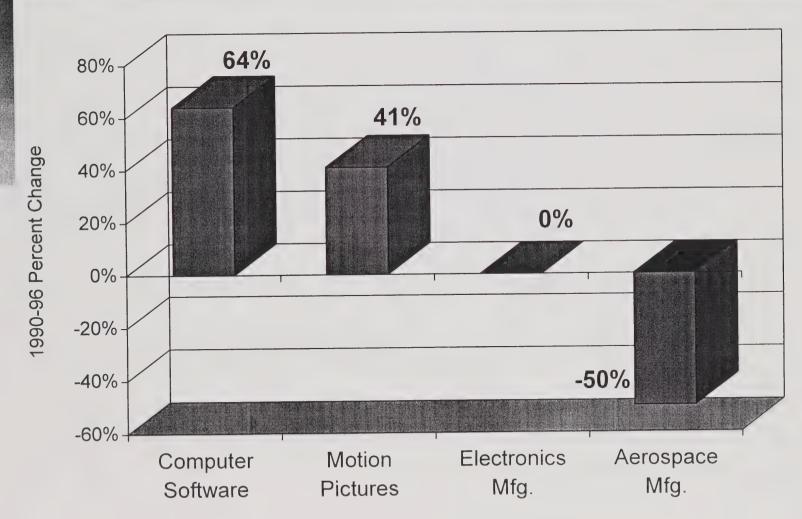
What's Down? Industries still losing jobs in California



November to November Decrease in Jobs

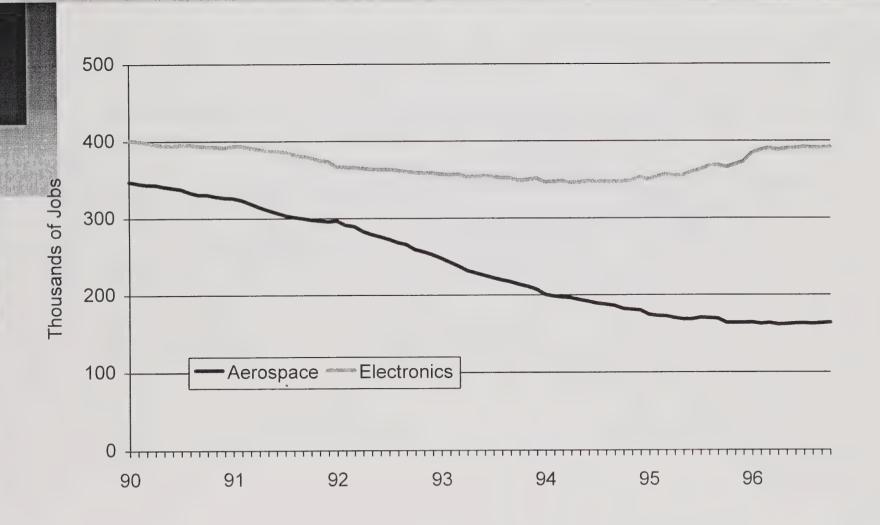


Employment in Key California Industries, 1990 to 1996



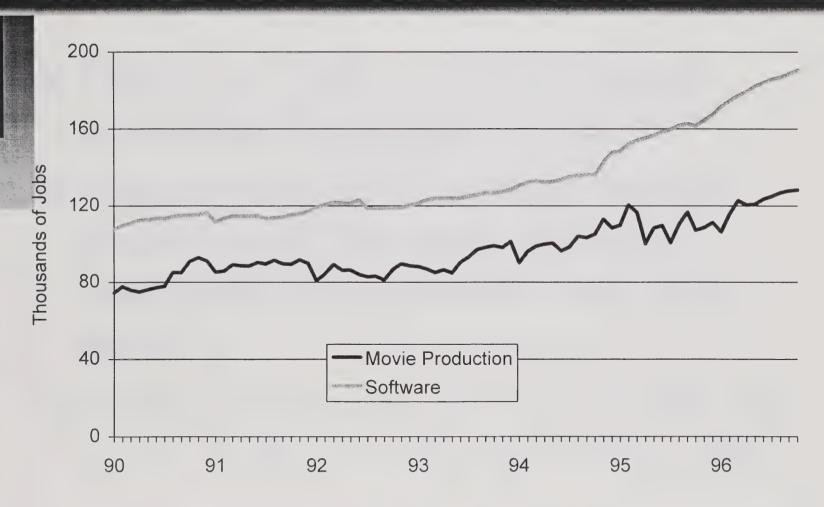


Electronics has recovered; Aerospace has stabilized





Software and Movies grew throughout the recession





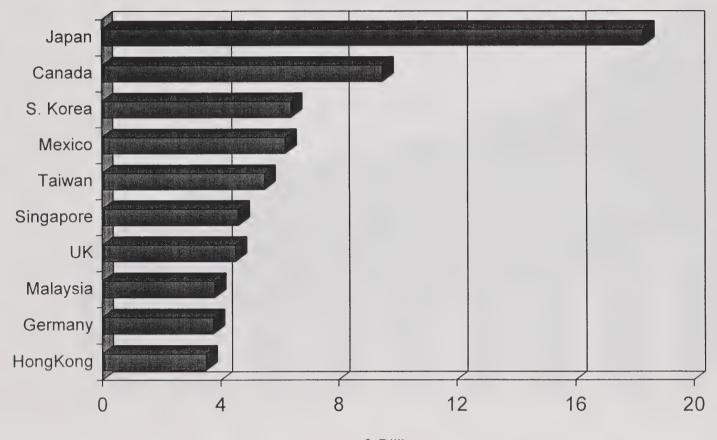
International Trade is a Key Element in State's Recovery

- ☑ Exports of California-made goods exceeded \$100 billion in 1996
- ☑ Including services such as motion pictures and computer software, California-made exports total \$150 billion
- ☑ California exports as much to the rest of the world as to the rest of the US.



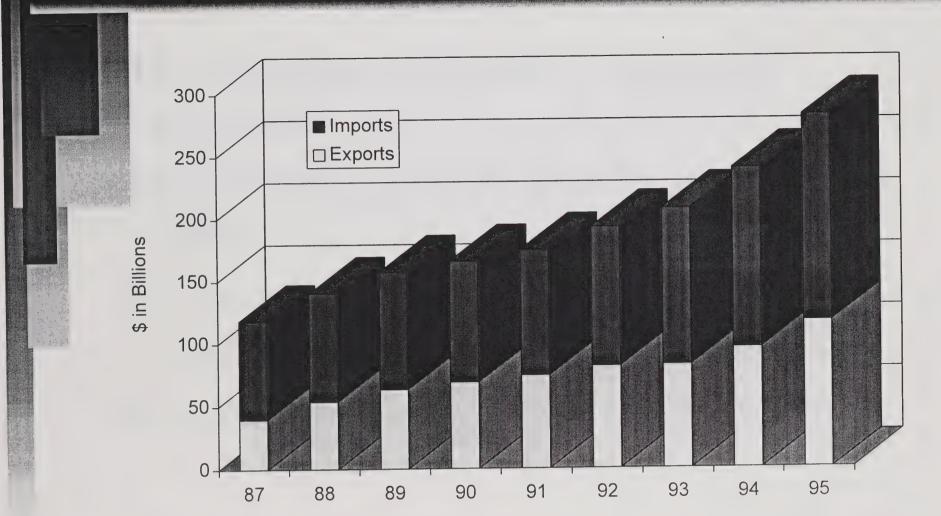
Pacific Rim Nations are major markets for California-made goods







California ports handle nearly 25% of goods in US trade



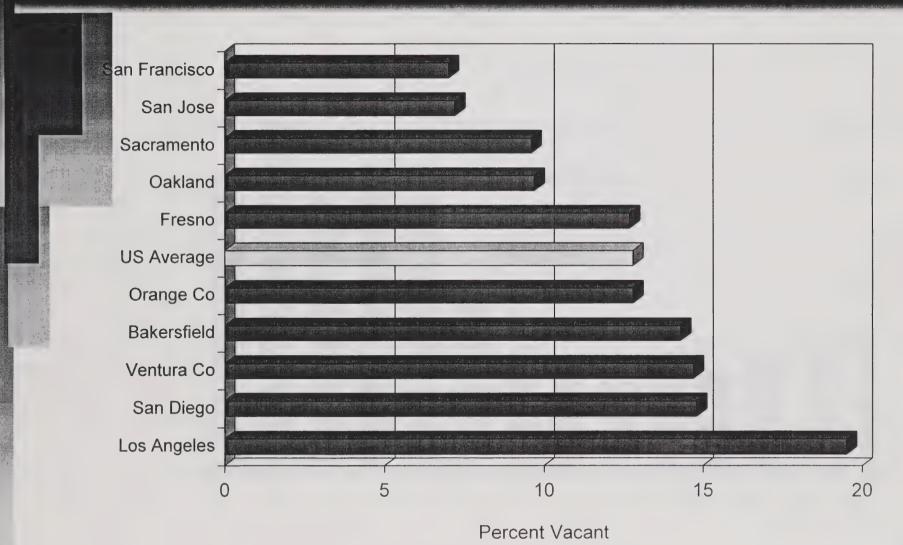


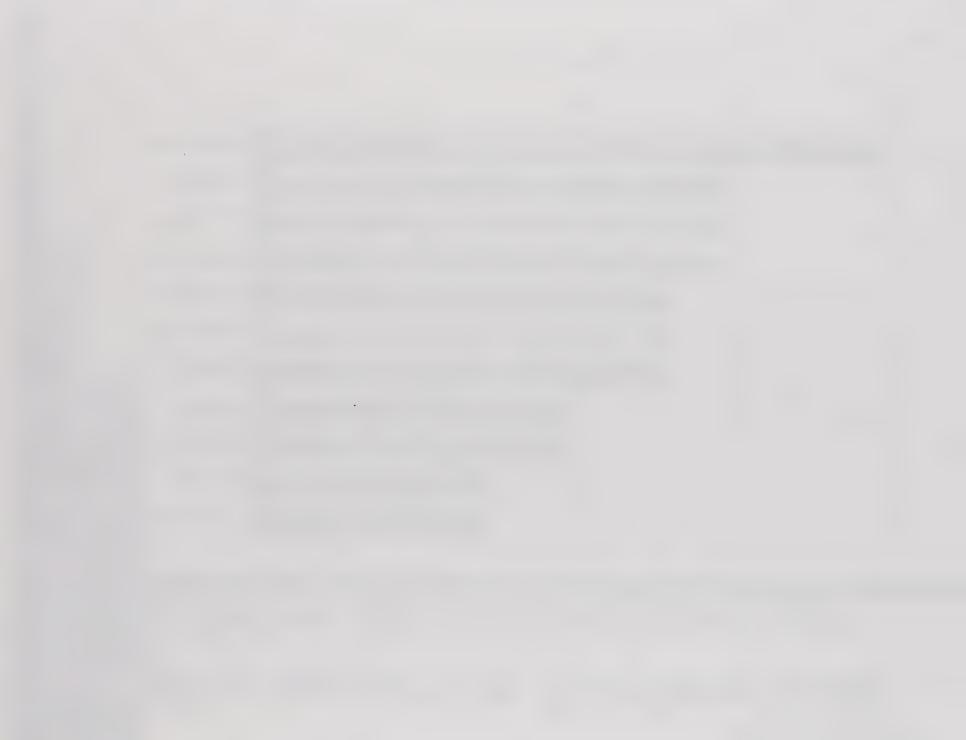
Construction employment is up, despite slow housing sector

- Nonresidential upturn is pleasant surprise
- ☑ Industrial space scarce throughout the state
- ☑ Commercial vacancies below national average in the North
- ☑ Coming upturn in hotel construction?

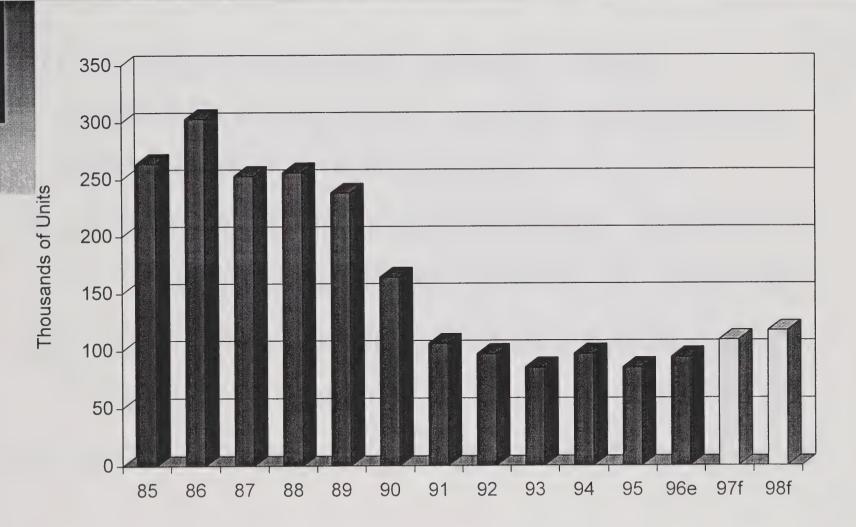


Office vacancy in Northern Calif. is below the national average





Homebuilding recovery has been the missing piece





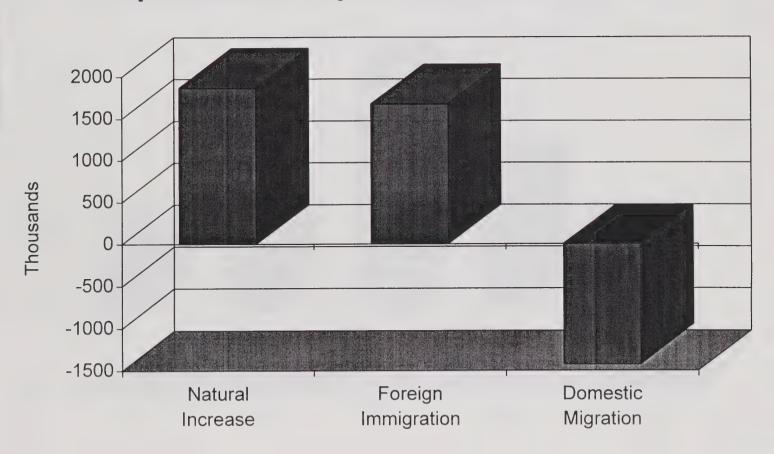
What happened to housing?

- Out-migration was greater than originally estimated, and is continuing, albeit at a reduced pace
- ☑ Unfavorable age distribution: decline in 25 to 34 year-old population in the 90s
- ☑ Investment/speculative incentive gone: Why buy a house?
- ☑ Fiscal Zoning, high fees, NIMBY all hurt



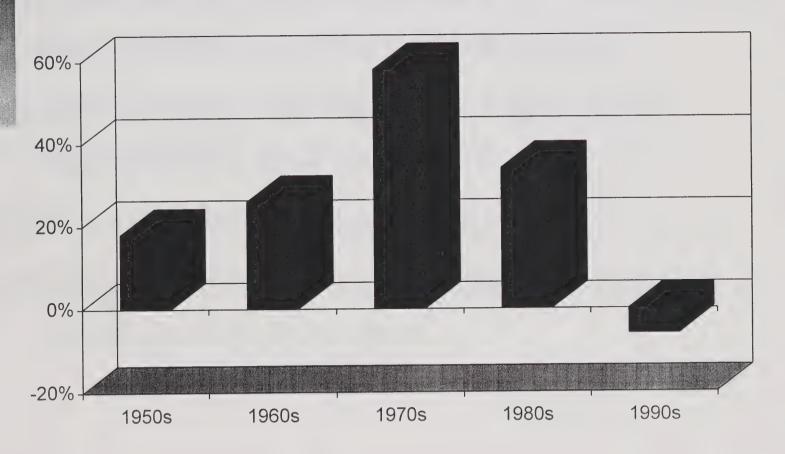
In the early 90s, California lost nearly 1.5 million residents to other states

Components of Population Growth, 1990-95



Declining young-adult population reducing housing demand

10-Year Change in 25-34 Year-old Population



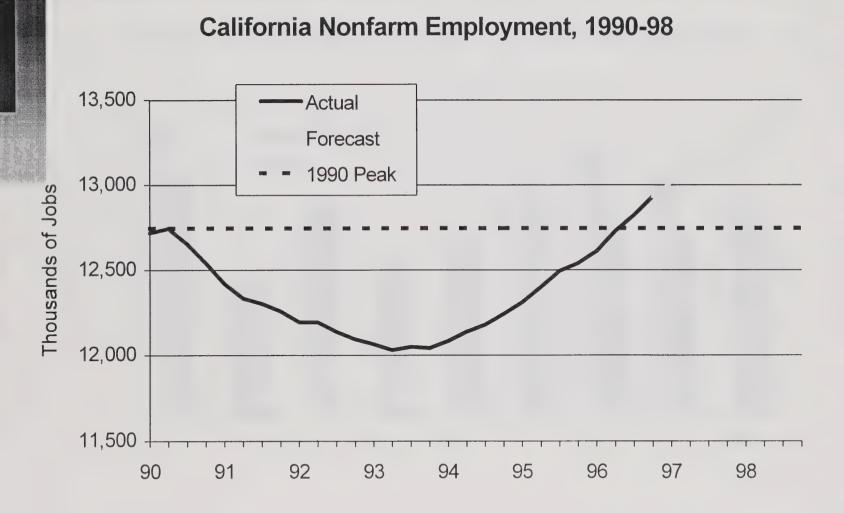


Summing up: Solid growth ahead

- Restructuring industries are stabilizing (aerospace, communications)
- ☑ Still strong demand for high-tech equipment and software
- ☑ Export markets growing
- ☑ Employment, income should repeat 1996 gains this year



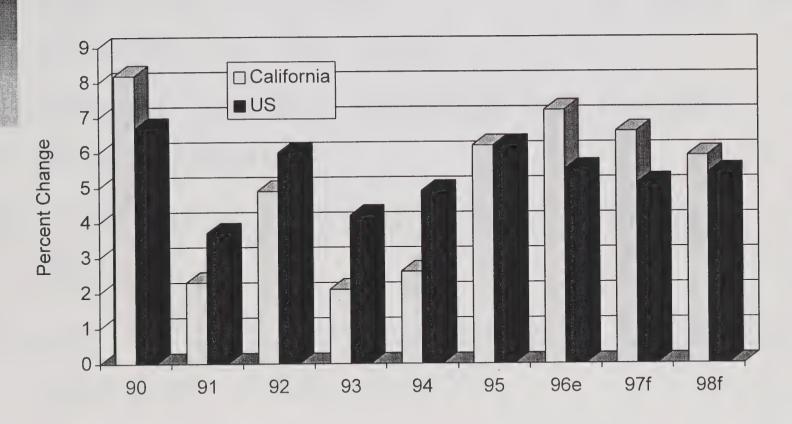
Employment passed 1990 peak in May 1996 and is up 1 million since recession low





Income gains are also outpacing US average

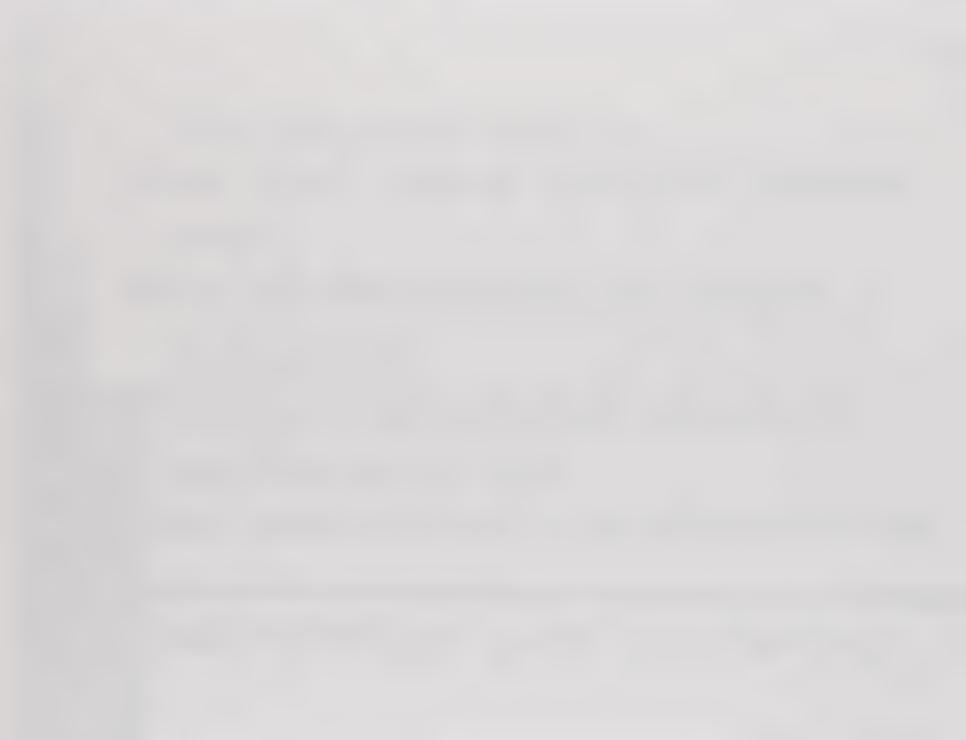
Personal Income Growth, California and US





Some thoughts from Sacramento

- Bay Area economy is fundamentally the strongest in the state
- ☑ Almost "perfect" industry mix for the 21st Century
- ☑ Will housing shortage be a limiting factor?
- ☑ Are Tracy, Lathrop, Manteca, Modesto now part of Bay Area???



BAY AREA EMPLOYMENT & INCOME 1997~1998

Paul W. Fassinger ABAG Research Director



Traffic Signal on the Information Super Highway

- Things I'm Almost Sure Aren't True, But Are Interesting
- Things That May Be True, And Are Intriguing
- Things I Believe To Be True, and Should Be Useful



Probably Isn't True for 1997-98

- Angela Lansbury (TV Detective) Solves Nicole Brown Simpson, Ron Goldman Murders
- Stock Market Crash, Clinton Solves by Calming Small Investors
- Edgar Cayce Predicts Split in Roman Catholic Church Before 1998, One Pope in New York and One in Rome.



May Be True

Warning Lights on the Infobahn?

- 3/4 of the World's Population Will Never Even Make a Telephone Call
- 3/4 of the World's Internet Activity Occurs in the Bay Area.
- 3/4 of All New Ideas Are Thought of By Someone in the Bay Area

Various Sources



What I Believe Is True

- Information (Internet, Hardware, and "Multimedia") Continues to Drive the Regional Economy, But Will Begin to Slow
- National Problems (Recession, Inflation)
 Will Not Affect Us in the Short Term
- Current Employment "Boom" Will Begin to Slow: Productivity, Restructuring



Comparative Information

	Bay Area	L.A.	California
1996 Employment	2,996,000	3,848,000	12,746,000
Avg New Jobs '96	66,000	85,000	312,000
Job Growth '96	2.2%	2.3%	2.5%

EDD Wage and Salary Employment



Employment By Industry

	Bay Area	L.A.	California
Mining	0%	0%	0%
Construction	4%	3%	4%
Manufacturing	15%	17%	14%
High Tech	8%	2%	4%
Aerospace	1%	3%	1%
Trans & Utilities	6%	5%	3%
Trade	22%	23%	24%
F.I.R.E.	7%	6%	6%
Services	31%	32%	30%
Business	8%	3%	1%
Entertainment	-	3%	1%
Government	15%	14%	14%



Employment Growth 1995-96

	Bay Area	L.A.	California
Mining	0%	0%	0%
Construction	4%	12%	9%
Manufacturing	28%	0%	9%
High Tech	22%	-1%	5%
Aerospace	0%	-1%	-1%
Trans & Utilities	6%	2%	2%
Trade	22%	29%	24%
F.I.R.E.	7%	-1%	-1%
Services	31%	62%	53%
Business	9%	31%	23%
Entertainment	-	7%	3%
Government	3%	-4%	3%



1996 Bay Area Job Growth

- Computer Networking and Internet Companies Lead Expansion
- Aerospace/Military Conversion
- Financial Services
- Recent Disasters

Bay Area Manufacturing Jobs (1995)

	Total	High Tech
	Manufacturing	Manufacturing
Alameda	12%	7%
Contra Costa	6%	1%
Marin	1%	0%
Napa	2%	0%
San Francisco	8%	1%
San Mateo	8%	4%
Santa Clara	55%	81%
Solano	2%	1%
Sonoma	5%	4%



Changes in Unemployment

	1994	1995	1996
Alameda	6.1%	5.8%	5.0%
Contra Costa	6.2%	5.8%	5.0%
Marin	4.6%	4.3%	3.5%
Napa	6.8%	6.3%	6.1%
San Francisco	6.4%	6.1%	4.8%
San Mateo	4.7%	4.3%	3.5%
Santa Clara	6.2%	5.0%	3.7%
Solano	7.6%	7.9%	7.7%
Sonoma	5.8%	5.5%	4.6%
L.A.	9.4%	7.9%	8.0%
California	8.6%	7.8%	7.3%



Bay Area Forecast

	1996	1997	1998
Avg. Household Income	\$70,900	\$72,300	\$73,300
Inflation Rate	2.3%	2.8%	3.0%
Employment Growth	66,000	59,000	53,000



Why Some Slowing?

- Electronics Manufacturing Limited by Personnel, Type of Jobs in Bay Area, and Competition
- Restructuring of Industries Will Continue
- Technology, Finance, Tourism and Exports Will Provide Overall Growth

Household Incomes

(1996 Dollars)

	1996	1997	1998
Alameda	60,300	60,900	61,200
Contra Costa	77,100	78,600	79,500
Marin	91,300	92,800	93,800
Napa	63,500	64,600	65,300
San Francisco	62,700	64,100	65,300
San Mateo	79,000	80,700	82,000
Santa Clara	79,500	81,000	82,100
Solano	61,000	61,800	62,500
Sonoma	62,100	63,300	64,000
Bay Area	70,900	72,300	73,300



Conclusions

- No General Economic Slow Down In the Bay Area Until After 1998
- Economic Growth Doesn't Affect Everyone Equally
- May Begin to Face Limitations for Labor, Land, Ability to Allow Companies to Diversify



Taxable Sales: Analysis & Forecasts

Dan Stone ABAG Regional Planner

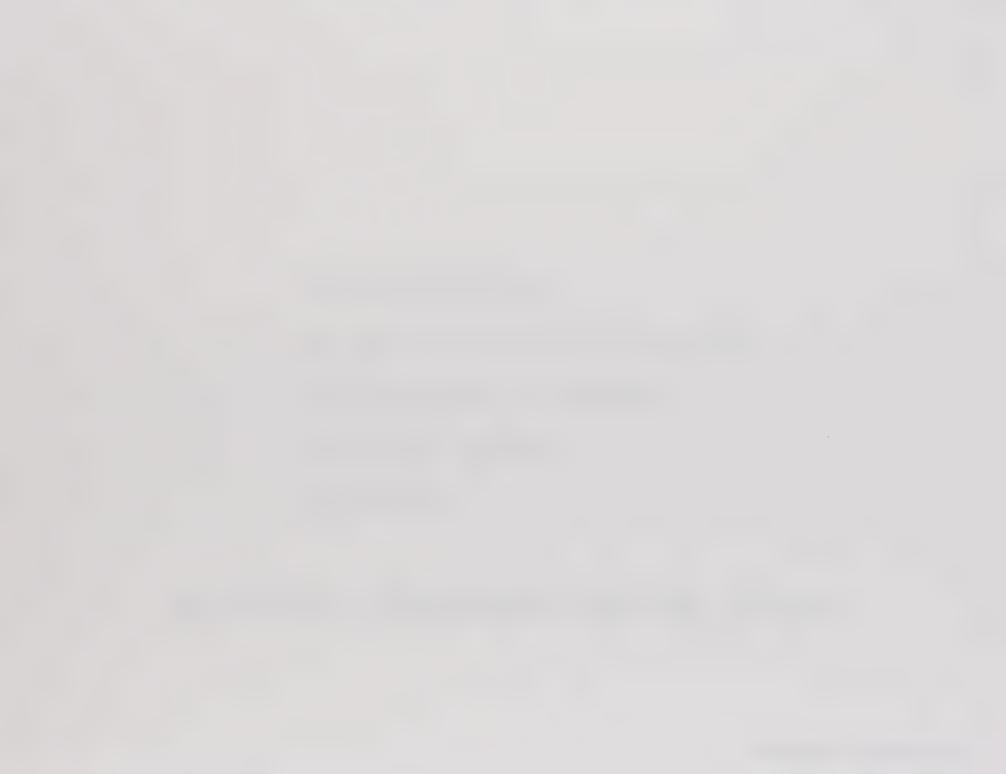
Significance of Retail Sales

- ☑ Over 60 percent of Total Taxable Sales in Region
- ☑ Total Taxable Sales about \$75.6 Billion in 1995
- ☑ Approximately 20 percent of General Revenues to Bay Region City Governments

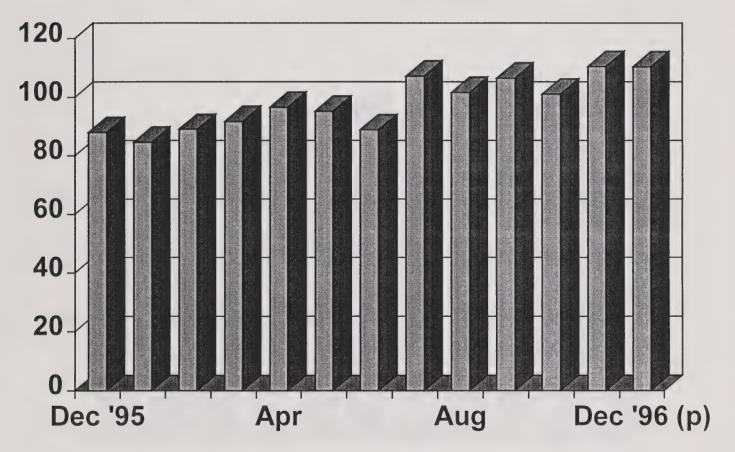


Factors Affecting Retail Sales

- ☑ Income
- ☑ Interest Rates
- ☑ Consumer Optimism
- ☑ National Economic Trends
- ☑ Demographics



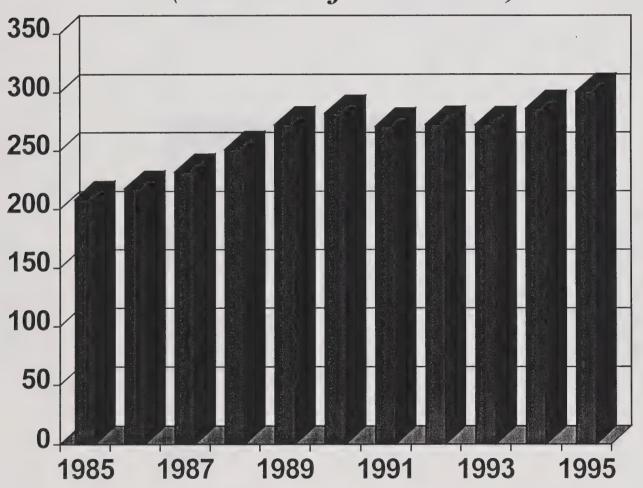
Consumer Confidence (Pacific West)



Source: The Conference Board (1985 = 100)

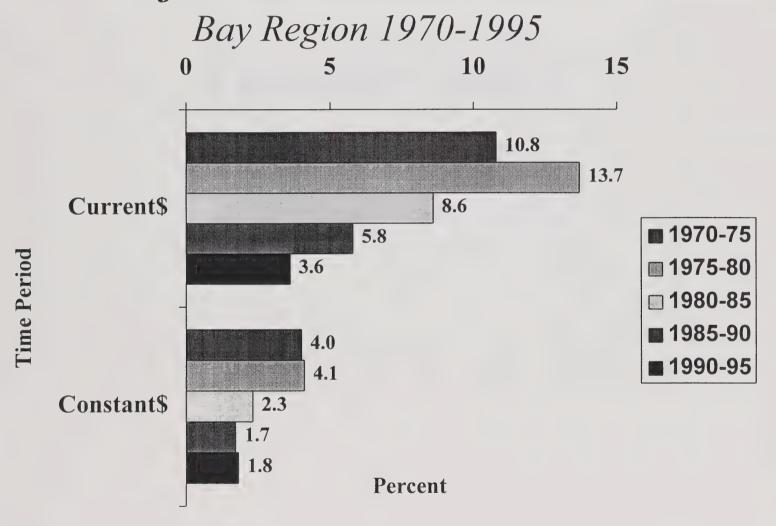


California Taxable Sales (Billions of Current \$)





Average Annual Percent Growth of Total Taxable Sales





Taxable Sales Forecasts

Total Taxable Sales

S.F. Bay Region 1994-1998

	Total Dollars (Billion \$)	Annual Growth (Current \$)	Annual Growth (Inflation adjusted)
1994	68.9	4.8%	3.1%
1995	75.6	9.8	7.8
1996	83.2	10.0	7.7
1997	90.8	9.1	6.3
1998	97.9	7.8	4.8

		•	

Total Taxable Sales Growth

Bay Region

Percentage Growth, Inflation Adjusted \$

	Actual 1994	Actual 1995	1996	1997	1998
Total Sales	3.1	7.8	7.7	6.3	4.8
Retail Sales	2.3	4.7	5.3	5.0	4.0
Durable Goods	3.6	6.3	7.4	6.1	3.0
Nondurable Goods	1.7	4.0	4.3	4.2	2.9
Business/Personal Services	1.9	6.0	7.0	6.2	5.7
All Other Outlets	4.8	14.1	16.6	12.5	10.7
Inflation	1.6	2.0	2.3	2.8	3.0



Nondurable Retail Sales Growth

Bay Region

Percentage Growth, Inflation Adjusted \$

	Actual 1994	Actual 1995	1996	1997	1998
Nondurable Goods	1.7	4.0	4.3	4.2	3.9
Apparel	0.1	-3.6	0.2	0.0	-0.1
General Merchandise	2.0	2.1	1.1	0.9	0.9
Specialty Stores	6.3	9.6	11.3	9.9	8.7
Food Stores	-4.1	0.7	1.0	0.8	0.5
Restaurants/Bars	1.2	3.4	3.6	3.0	2.5
Service Stations	-0.5	6.0	6.6	6.0	5.0
Inflation	1.6	2.0	2.3	2.8	3.0



Durable Retail Sales Growth

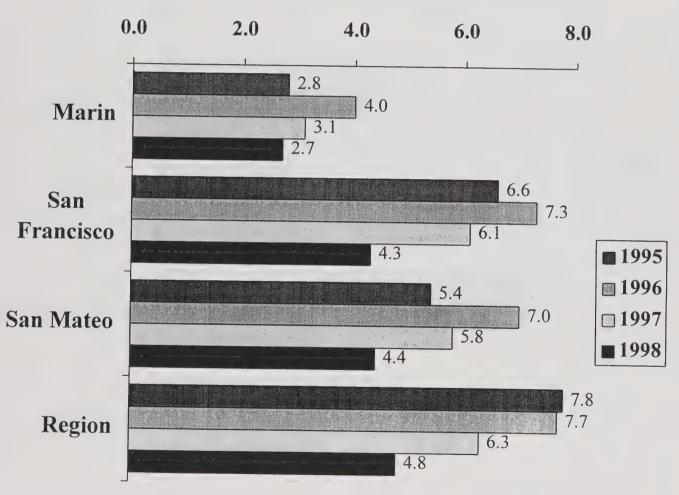
Bay Region
Percentage Growth, Inflation Adjusted \$

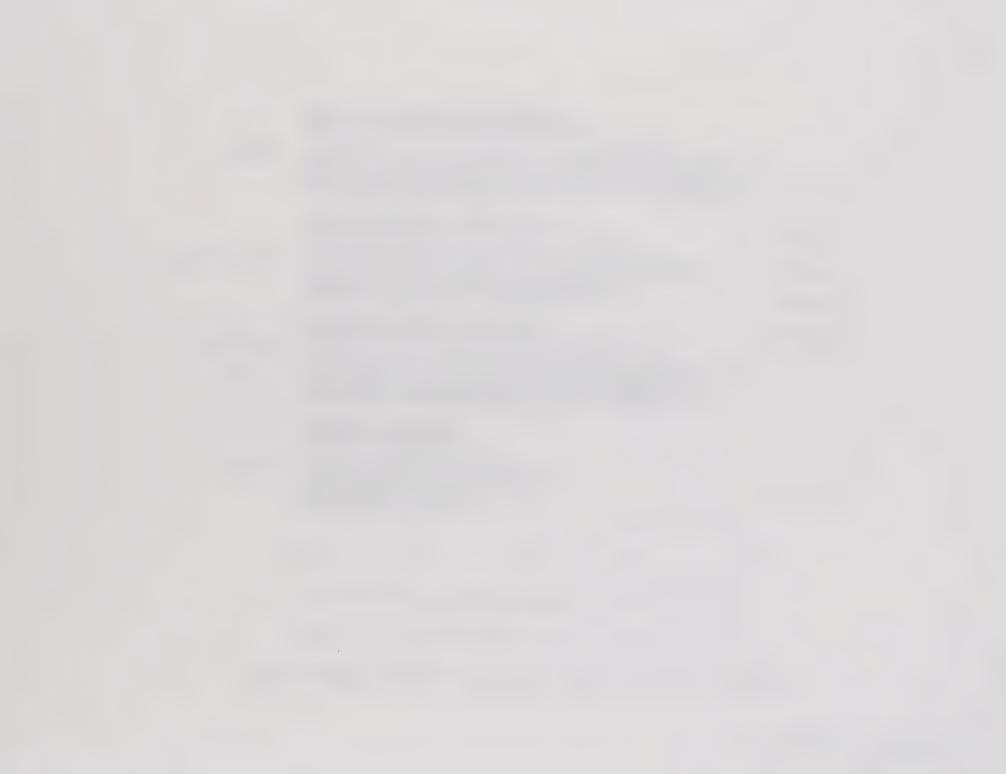
	Actual 1994	Actual 1995	1996	1997	1998
Durable Goods	3.6	6.3	7.4	6.1	3.0
Home Furnishings	4.3	5.1	5.7 5.2	5.1 4.6	4.3
Building Materials Auto Dealerships	3.8	7.6	7.7	6.3	3.8
Inflation	1.6	2.0	2.3	2.8	3.0



Taxable Sales Forecasts by County

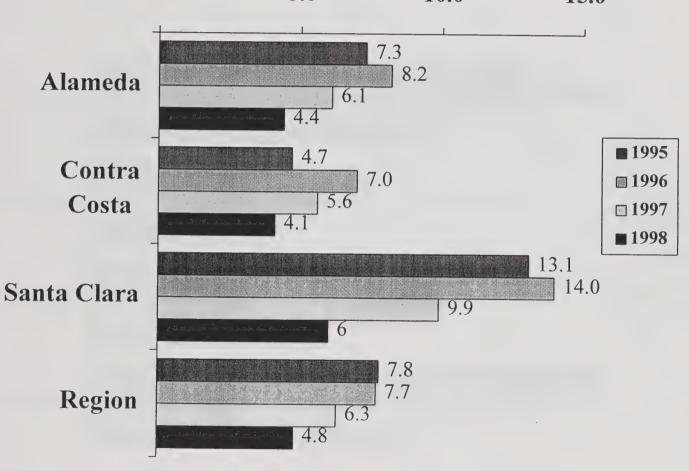
Marin, San Francisco, San Mateo Percentage Growth, Inflation Adjusted \$





Taxable Sales Forecasts by County

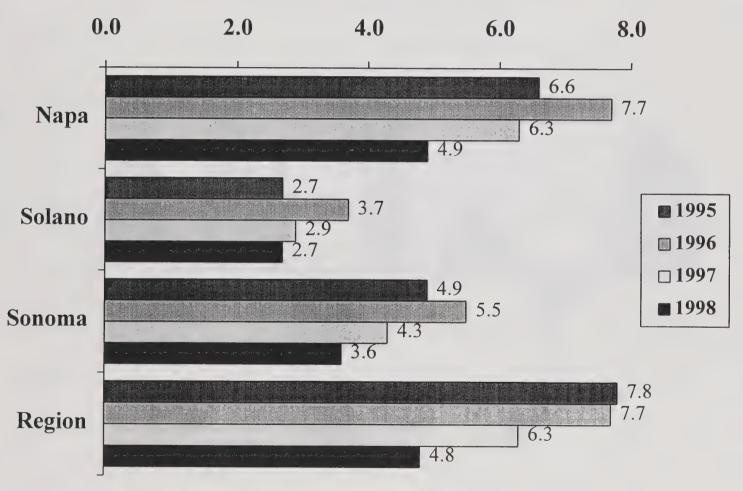
Alameda, Contra Costa, Santa Clara Percentage Growth, Inflation Adjusted \$ 0.0 5.0 10.0 15.0

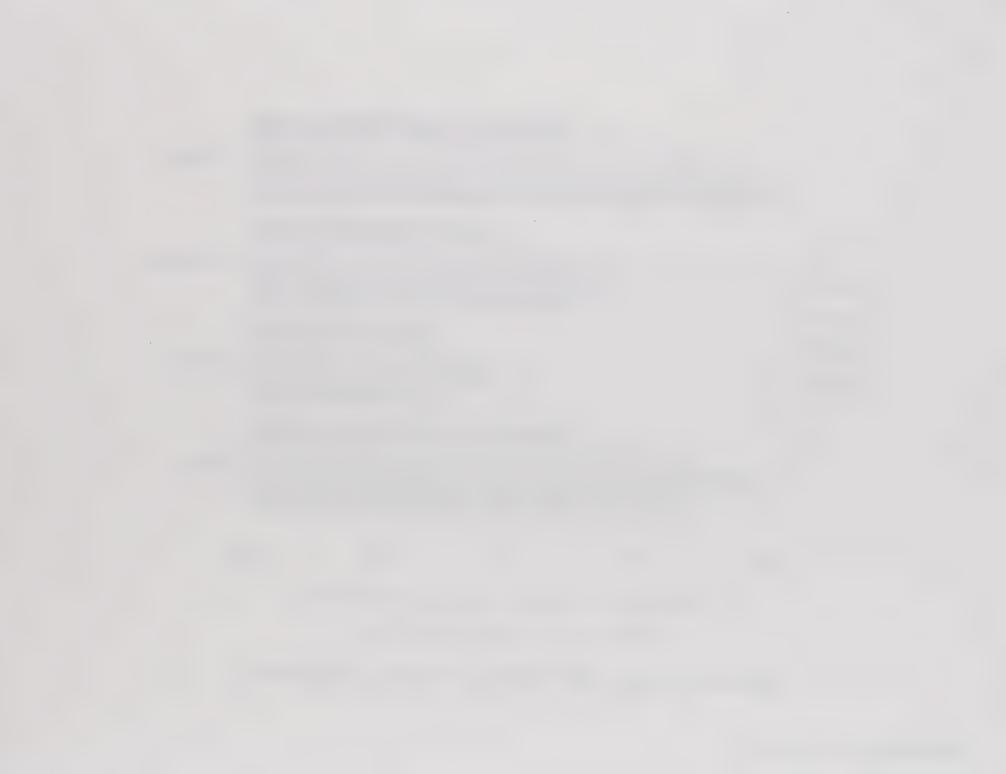




Taxable Sales Forecasts by County

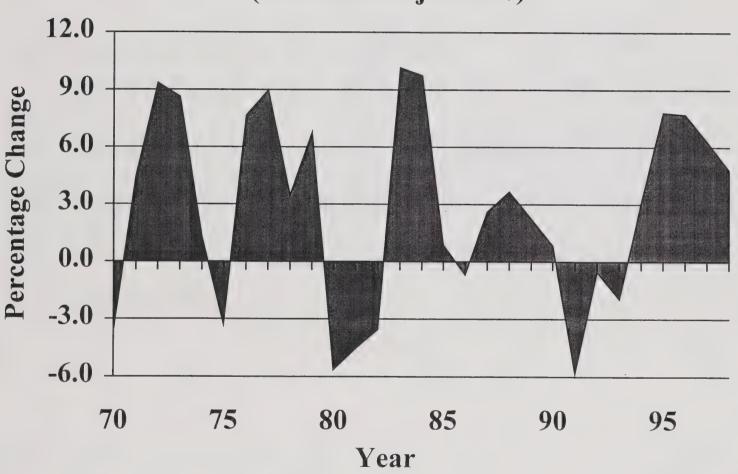
Napa, Solano, Sonoma Percentage Growth, Inflation Adjusted \$





Percentage Change in Bay Area Total Taxable Sales, 1970-1998

(Inflation Adjusted \$)





Taxable Sales Summary

- ☑ Taxable Sales to improve 7.7% in 1996, 6.3% in 1997 and 4.8% in 1998 (Inflation Adjusted \$)
- ☑ Durable Goods cycle will taper off by 1998
- ☑ County level growth varies, South Bay strong
- ☑ 1995-1998 Annual Growth Rates Highest Since 1984

The Bay Area Rental Squeeze



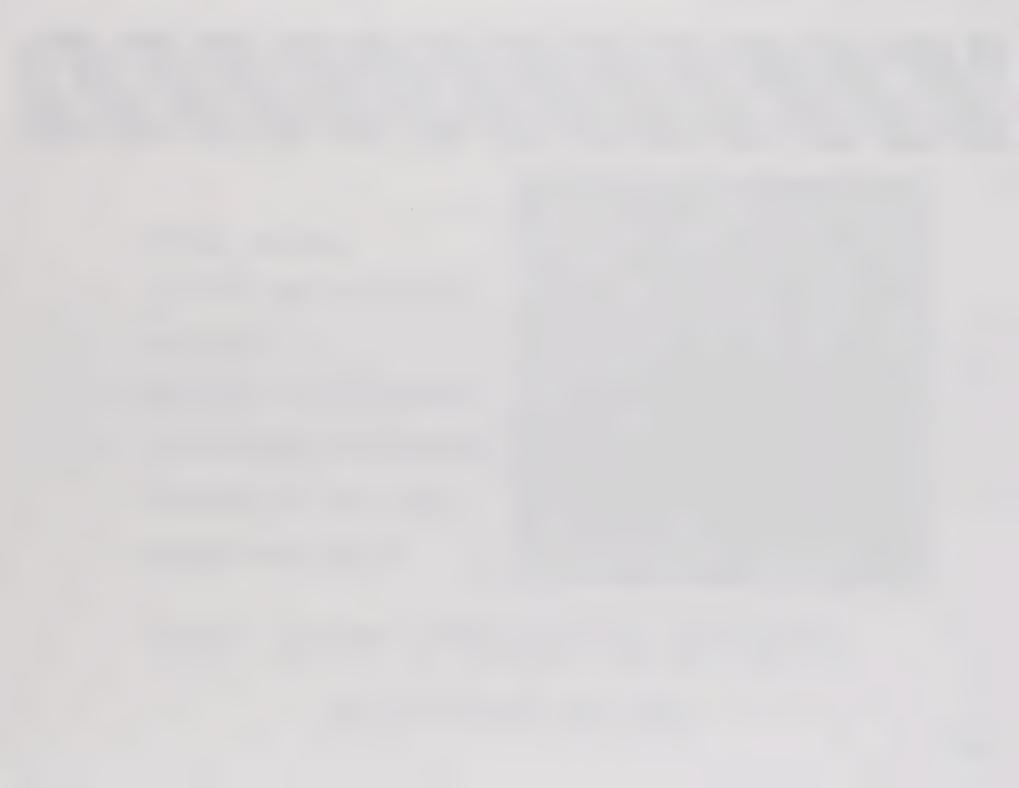
Bradley Inman
Inman News Features



Welcome to the Bay Area Apartment Market!

- Rents are rising
- Vacancies are low
- Competition is fierce
- Renters have fewer choices
- Things are expected to get worse

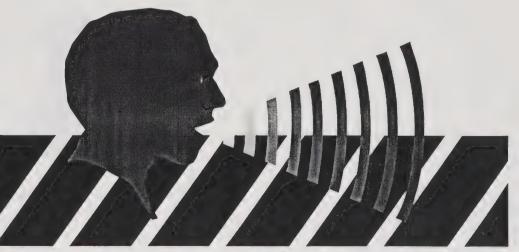


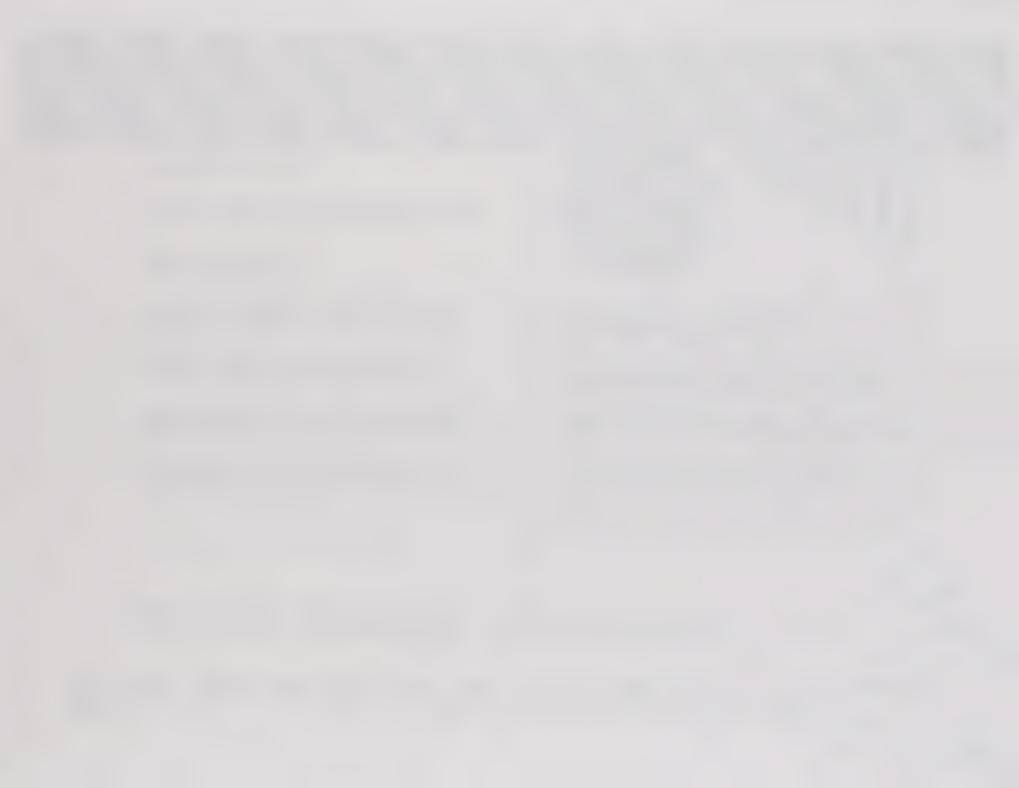




- Economy booming
- Renters storm area
- Age of new hires
- Urbanists not rural retreaters
- Homeownership too expensive

- Construction lags
- No conversions from commercial to apts
- Nimby Freaks

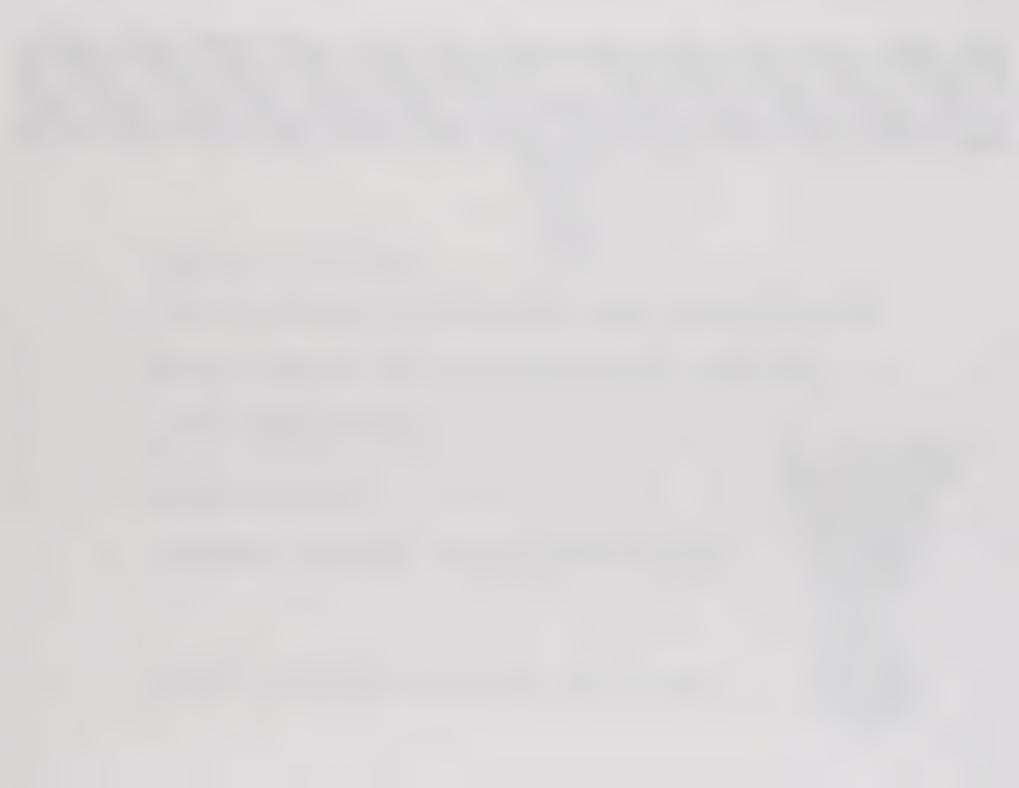




Implications for region

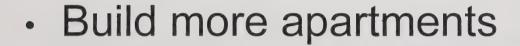
- Tighter market and rising rents
- Rent control
- Poor displaced
- Spill over to homeownership market
- Labor force gets angry and companies rethink location



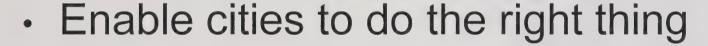




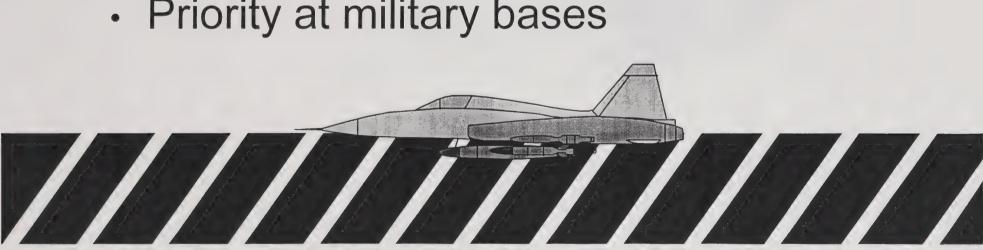
Solutions







Priority at military bases

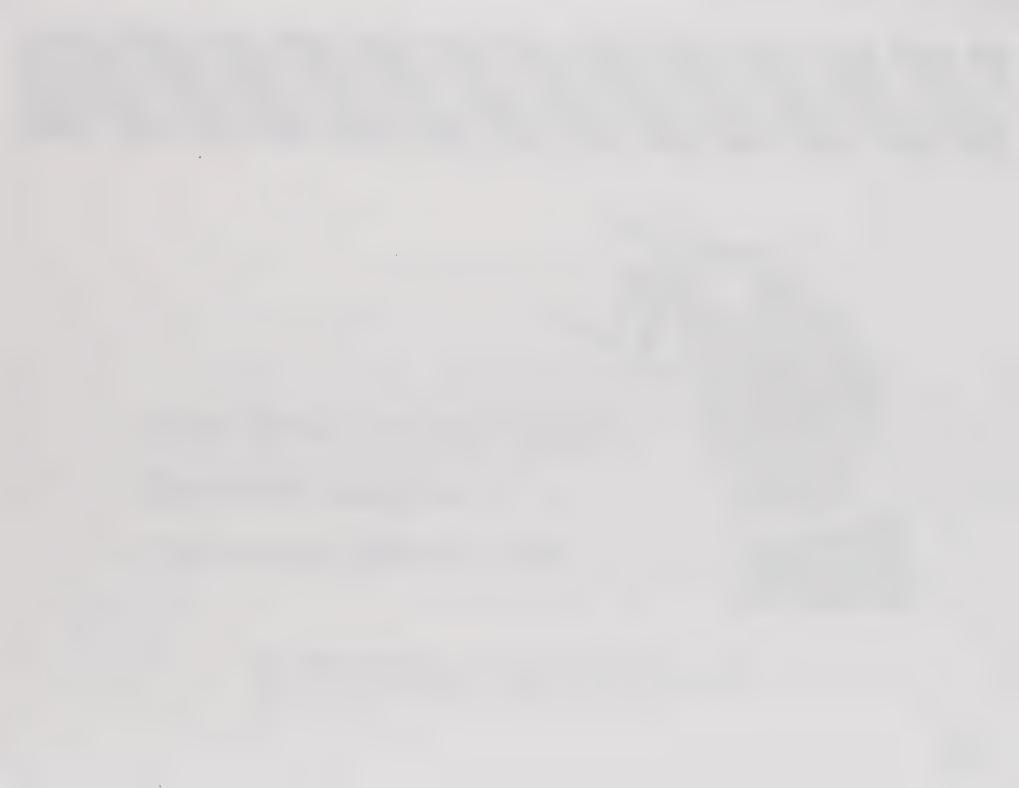




Radical solutions

- Let market figure it out
- Eliminate renters
- Take Betty Davis's advice





"Fasten your seatbelts, it's going to be a bumpy night,"

Betty Davis

